Endoscopic Carpal Tunnel Release System

Get Your Patients Up and Going up to 50% Faster!

MicroAire®
Surgical Instruments
MicroAire Carpal Tunnel Release System

Technological innovation that improves the quality of patient care.

The MicroAire Carpal Tunnel Release System is a technological breakthrough in carpal tunnel surgery. This innovative system, using a minimally-invasive approach, provides significant patient benefits.

A small incision at the base of the wrist creates an entry for the disposable blade assembly. An endoscope, connected to a standard video camera system, provides a clear view of the underside of the transverse carpal ligament. With the disposable blade assembly accurately positioned beneath the transverse carpal ligament, the surgeon elevates the retractable blade by means of a trigger, and withdraws the blade assembly—incising the ligament.

Patient Benefits

Patients benefit from a procedure which requires only a minimal incision at the wrist, resulting in less morbidity. Recovery time is lessened, with patients benefiting from:

- Early return to activities of daily living
- Early return to work—for non-worker’s compensation patients—almost 50% faster than those who undergo conventional open carpal tunnel surgery
- Improved cosmetic results
- Faster recovery of grip and pinch strength
- Less morbidity and scar tenderness

Surgeon Benefits

Surgeons benefit from the extensive research and design work that has been clinically tested, resulting in:

- A simple, easy-to-use design
- A complete set of supporting instrumentation
- A surgical protocol developed and tested by a panel of hand surgeons
- Documented results
- Improved patient satisfaction

System Components

A Disposable Blade Assembly: Convenient dispenser box holds six individually-packaged, sterile, disposable blade assemblies.

B 3.0mm Eyepiece Endoscope.
This version connects to a standard camera coupler.

C Handpiece

D Synovium Elevator: Separates the synovium from the underside of the ligament for better identification of the ligament anatomy.

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Design Features of the MicroAire Carpal Tunnel Release System

**Disposable Blade Assembly**
- The MicroAire Carpal Tunnel Release System’s blade assembly is packaged sterile. It features a sharp retractable blade designed exclusively for transecting the transverse carpal ligament.
- A window at the tip of the disposable blade assembly provides a direct view of the transverse carpal ligament.
- The disposable blade assembly rotates to adjust to right- or left-handed surgery.

**Handpiece**
- The handpiece features a pistol grip and is designed for maximum comfort and control.
- The handpiece trigger elevates and retracts the blade for maximum safety and control.

**Endoscope**
- The scope’s small diameter allows for a minimally-invasive incision.
- A direct connection between the endoscope and camera creates an easy-to-use, compact, lightweight system.

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**Hamate Finders**
Used to prepare a path to aid the entry of the blade assembly. Their design helps the surgeon locate the distal margin of the transverse carpal ligament.

**Sterilization Trays**
Two sterilization trays provide safe and easy maintenance and storage.
- The Endoscope Sterilization Tray is used for sterilizing and storing the endoscope.
- The Instrument Sterilization Tray is used for sterilizing and storing the handpiece and instruments.
# MicroAire Carpal Tunnel Release System

## Ordering Information

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<tr>
<th>Catalog Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>81010-6</td>
<td>Disposable Blade Assembly (6 pack)</td>
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### MicroAire Carpal Tunnel Release System

Complete System Includes:

- **81001** CTRS Scope Kit
  - 81023 3.0 mm Eyepiece Autoclave Endoscope with Protector Sleeve
  - 81060 Endoscope Sterilization Tray
  - 81151 Autoclavable Endoscope Light Post Adapter, Storz
  - 81152 Autoclavable Endoscope Light Post Adapter, Wolf

- **81002** CTRS Handpiece Kit
  - 81014 Handpiece
  - 81017 Instrument Sterilization Tray
  - 81026 Hamate Finder-Small
  - 81027 Hamate Finder-Medium
  - 81029 Synovium Elevator
  - 81061 Hamate Finder Cequal to Disposable Blade Assembly

* CTRS Surgical Protocol Video Available Upon Request

### Individual Components

- **81014** Handpiece
- **81017** Instrument Sterilization Tray
- **81023** 3.0 mm Eyepiece Autoclavable Endoscope, Includes 81057 Protection Sleeve
- **81026** Hamate Finder-Small
- **81027** Hamate Finder-Medium
- **81029** Synovium Elevator
- **81057** Endoscope Protection Sleeve
- **81060** Endoscope Sterilization Tray
- **81061** Hamate Finder Cequal to Disposable Blade Assembly
- **81151** Autoclavable Endoscope Light Post Adapter, Storz
- **81152** Autoclavable Endoscope Light Post Adapter, Wolf

### Replacement Parts and Adapters

- **81023A** Refurbished Eyepiece Autoclavable Endoscope with protection sleeve (includes 81151 and 81152)
- **81020** Refurbished Video Endoscope with protection sleeve (includes 81035 and 81036)

### Accessories for 81020 only

- **81030** V-Mount Adapter
- **81031** Replacement O-ring for Channels of 81030 and 81032 Adapters (3 per package)
- **81032** V-Mount Adapter, Stryker. Includes one 81037 O-ring
- **81033** Modifying O-ring for Threads of 81020 Scope (3 per package)
- **81034** Replacement O-ring for Channels of 81020 scope (3 per package)
- **81035** Light Post Adapter, Storz
- **81036** Light Post Adapter, Dyonics/Wolf
- **81037** Auxiliary O-ring for Threads of 81032 Adapters (3 per package)